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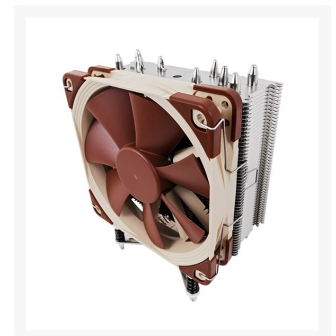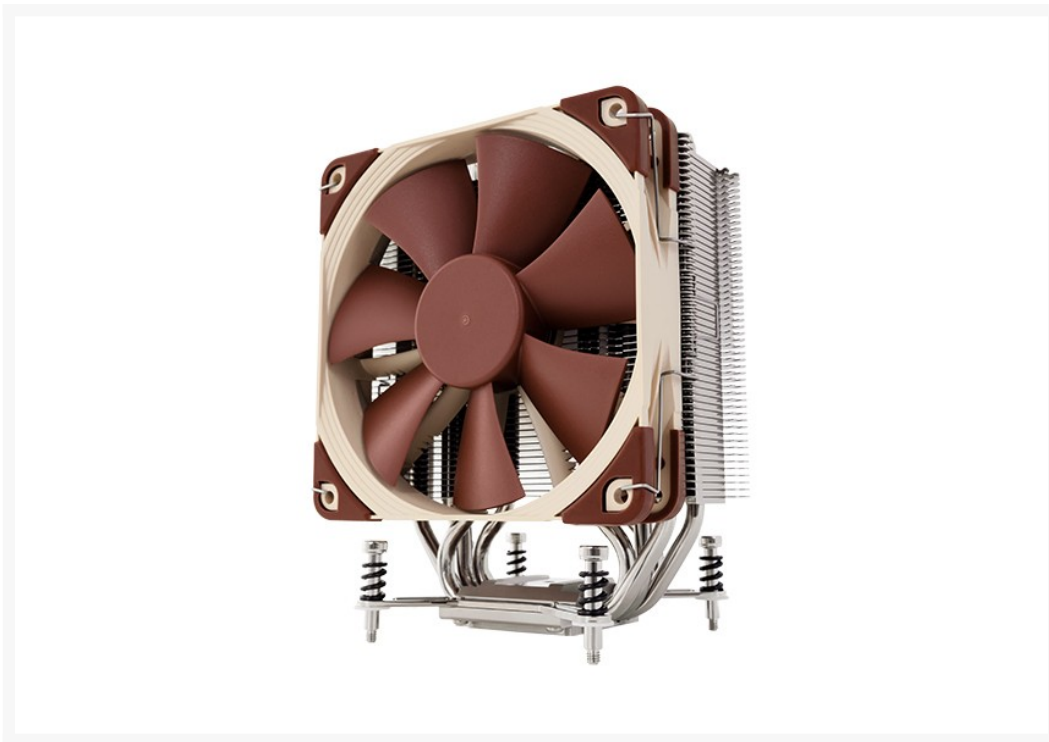See Our Instagram

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Noctua NH-U12DX i4 Ultra Quiet Xeon CPU Cooler

$72.95

Product Images

Short Description

Noctua's DX line of coolers has become a default choice in high performance quiet cooling solutions for Intel Xeon CPUs. The latest i4 revision supports LGA2011 (both Square ILM and Narrow ILM), LGA1356 and LGA1366 based Xeon platforms and the 12cm model NH-U12DX i4 comes equipped with Noctua's award-winning NF-F12 Focused Flow™ fan with PWM for automatic speed control.
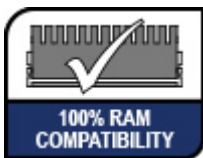
Description

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Features

Award-Winning NH-U12 Series
The NH-U12DX i4 is based on the latest version of Noctua's award-winning NH-U12 coolers. First introduced in 2005, the NH-U series has become a standard choice for premium quality quiet CPU coolers and won more than 400 awards and recommendations from leading international hardware websites and magazines.

Easier access to RAM
Thanks to its slim design with only 45mm fin depth, the NH-U12DX i4 ensures easy access to the RAM slots. When installed parallel to the slots, it will not overhang the memory on LGA1356, LGA1366 and LGA2011 Square ILM even with two fans installed, thus providing full compatibility with tall RAM heatsinks.

NF-F12 120mm Focused Flow™ Fan
Recommended by more than 150 hardware publications and thousands of enthusiasts world-wide, the Noctua's premium quality NF-F12 Focused Flow™ 120mm fan is renowned to combine superb static pressure, excellent heatsink performance and surprising quietness of operation.

PWM Support and Low-Noise Adaptor
The NF-F12 120mm fan supplied with the NH-U12DX i4 supports PWM for convenient automatic speed control through the mainboard. In addition, the maximum fan speed can be reduced from 1500 to 1200rpm using the supplied Low-Noise Adaptor for even quieter operation.

Anti-Vibration Pads and Fan-Clips for Second NF-F12 (optional)
For users who want to achieve even better performance by adding a second, optional NF-F12 fan to create a push/pull setup, the NH-U12DX i4 includes fan clips and an extra set of custom-designed anti-vibration pads that allow to off-set the rear fan by 5mm to improve acoustics in dual-fan mode.

SecuFirm2™ Mounting System
Noctua's SecuFirm2™ mounting systems have become synonymous with quality, safety and ease of use. Supporting Intel's LGA2011 (both Square and Narrow ILM), LGA1356 and LGA1366 Xeon platforms, the SecuFirm2™ mounting included with the NH-U12DX i4 guarantees perfect contact pressure and maximum convenience on all sockets.

NT-H1 Thermal Compound
Having received more than 100 awards and recommendations from hardware journalists around the world, Noctua's NT-H1 is a proven professional grade TIM solution that provides minimum thermal resistance, excellent ease of use and outstanding reliability.

6 Years Warranty
Noctua products are renowned for their impeccable quality and outstanding longevity. Like all Noctua fans, the supplied NF-F12 features an MTBF rating of more than 150.000 hours and the entire NH-U12S package comes with a full 6 years manufacturer's warranty.

Specifications

Cooler Specifications:

Socket compatibility	Intel LGA2011 (Square ILM & Narrow ILM), LGA1356, LGA1366 (wtih Xeon backplate)
Height (without fan)	158 mm
Width (without fan)	125 mm
Depth (without fan)	45 mm
Height (with fan)	158 mm
Width (with fan)	125 mm
Depth (with fan)	71 mm
Weight (without fan)	580 g
Weight (with fan)	755 g
Material	Copper (base and heat-pipes), aluminum (cooling fins), soldered joints & nickel plating
Fan compatibility	120x120x25
Scope of Delivery	• NF-F12 PWM premium fan • Low-Noise Adaptor (L.N.A.) • NT-H1 high-grade thermal compound • SecuFirm2™ Mounting Kit • Anti-vibration pads and fan-clips for second NF-F12
Warranty	6 Years

Fan Specifications:

Model	Noctua NF-F12 PWM
Bearing	SSO2
Max. Rotational Speed (+/- 10%)	1500 RPM
Max. Rotational Speed with L.N.A. (+/- 10%)	1200 RPM
Min. Rotational Speed (PWM)	300 RPM
Max. Airflow	93,4 m³/h / 54.97 cfm

Max. Airflow with L.N.A.	74,3 m³/h / 43.73 cfm
Max. Acoustical Noise	22,4 dB(A)
Max. Acoustical Noise with L.N.A.	18,6 dB(A)
Input Power	0,6 W
Voltage Range	12 V
MTBF	> 150.000 h

Additional Information

Brand	Noctua
SKU	NH-U12DX-i4
Weight	3.2000
Color	Brown
Material	Copper/Aluminum
Fan Dimensions	120mm
Fan Connection	4-Pin PWM